

Amendments to the Specification

Please add the following paragraph before the first paragraph beginning at page 1, line 1:

CROSS REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. provisional application serial no. 60/545,820 filed February 19, 2004, which is incorporated herein by reference.

Please replace the paragraph beginning at line 11, on page 5 with the following paragraph:

High voltage energy delivery system 19 is also connected to and controlled by processor 74. Such energy delivery systems 19 are generally known, and disclosed, for example, in U.S. Pat. No. 5,405,361. In response to charge control signals provided by the processor 74, high voltage energy delivery system 19 is operated in a charge mode during which one set of semiconductor switches (not separately shown) cause a plurality of capacitors (also not shown), to be charged by energy source 12. Once charged, and in response to discharge control signals provided by processor 74, high voltage energy delivery system 19 is operated in a discharge mode during which the capacitors are discharged in series by another set of semiconductor switches (not separately shown) to produce the high voltage defibrillation pulses. The defibrillation pulses are applied to the patient through electrodes 50, which are connected to the high voltage energy delivery system 19 by connector 58. Under certain circumstances described below, processor 74 causes high voltage generation circuit 8619 to be discharged through an internal resistive load 98 rather than electrodes 50.

Please replace the paragraph beginning at line 11, on page 6 with the following paragraph:

Data communication port 32 is coupled to processor 74 for two-way serial data transfer using, for example, an RS-232 protocol. A diagnostic display located on the AED housing includes features such as a rescue switch 40, rescue switch light 28, and resume switch 18. A voice circuit 94 is connected to a wireless transmitter 85. In response to voice prompt control signals from processor 74, voice circuit 94 and wireless transmitter 85 generate voice prompts over a wireless carrier (e.g., an IR or RF carrier) to a receiver

embedded in a headphone 56 that can be worn by the responder. In addition, in some embodiments of the invention the voice circuit 94 may also be connected to a speaker 3441. The speaker 3441 may generate audible voice prompts that can be heard by responders not wearing the wireless headphone.

Please replace the paragraph beginning at line 31, on page 7 with the following paragraph:

When a shockable cardiac rhythm is detected, processor 74 begins a first charge sequence by initiating the generation of a "Charging" voice prompt, and causes high voltage energy delivery system 19 to operate in the charge mode. When the high voltage energy delivery system 19 is charged, processor 74 begins a first shock sequence by initiating the generation of a "Stand clear. Push flashing button to rescue" voice prompt, and the flashing illumination of rescue switch light 428. The operator actuation of rescue switch 40 will then cause processor 74 to operate high voltage energy delivery system 19 in the discharge mode, and results in the application of a defibrillation pulse to the patient to complete the first series of analyze/charge/shock sequences.

Please replace the paragraph beginning at line 28, on page 8 with the following paragraph:

Throughout the analyze, charge and shock sequences, processor 74 monitors the impedance present across connector 58 to determine whether electrodes 50 remain properly positioned on the patient. If the monitored impedance is out of range (e.g., too high if the electrodes have come off the patient, or too low if shorted), processor 74 initiates the generation of a "Check Electrodes" voice prompt, and causes high voltage generation circuit 8619 to discharge any charge that may be present through internal load 98. Rescue mode operation will resume when processor 74 determines that the electrodes have been properly repositioned on the patient.